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Faxed

October 6, 2006

NPPSS COMPCIANCE CO.

BP Product: North America Inc. Whiting Business Unit 2815 Indianapolis Bivd. PO Box 710 Whiring, IN 46394-0710

Mr. Gary Starks
Indiana Department of Environmental Management
Office of Water Management
100 North Senate
Indianapolis, IN 46206-6015

RE: NPDES Permit No. IN 0000108

Oil Sheen to Lake Michigan from Outfall 002 Once Through Cooling Water effluent

Dear Mr. Starks:

This letter serves as our written follow-up to our initial phone notification to IDEM on Monday October 2, 2006, concerning the visible oil sheen on Lake Michigan from our NPDES permitted outfall 002. We became aware of the possible non-compliance on the lake at approximately 5:50 pm (CST) on October 2, 2006 when heavy rain hit the area and our process sewers backed up. At this time the US Coast Guard, NRC, IDEM, and LEPC were notified.

Our internal BP emergency response team-initially responded to mitigate the oil spill. Our hazmat team deployed booms to the lake and diapers and absorbents directly into our #6 Separator in order to eliminate any further release to the lake. Vacuum trucks were also deployed helping to remove the oil from our separators and sewers. The Haz-Mat team surveyed the surrounding beaches and area and did not detect any presence of oil/hydrocarbons. The sheen on the lake was already dispersing due to the choppy waters.

Early estimates on the volume released to the lake are less than 1 gallon. It is suspected that high process sewer levels may have caused a back up into a once through cooling water (OTCW) overflow sump at our Air Compressor House Unit which has a temporary pump in place to discharge the cooling water to the OTCW system. The overflow sump normally discharges to our process sewer, however, the temporary pump was installed to take this overflow to the once through cooling water where it should discharge. When the process sewers backed up, the oily water flowed into the sump, and the sump pump discharged it to the OTCW system. Analytical data confirms that this is the source of the oil to our OTCW 6 sep outfall 002. An incident investigation for this event will be conducted.

If you have any further questions-please call Ms. Rose Herrera of my staff at 219-473-3393.

Sincerely,

Linda J. Wilson

Environmental Superintendent

BP Whiting Refinery

Faxed

August 10, 2006

NPPSS Compulsare Vile

BP Products North America Inc Whiting Business Unit 2815 Indianapolis Blvd

PO BOX 710 Whiting, IN 40394-0710

Mr. Gary Starks Indiana Department of Environmental Management Office of Water Management 100 North Senate Indianapolis, IN 46206-6015

RE: NPDES Permit No. IN 0000108 Oil Sheen to Lake Michigan from Outfall 002 Once Through Cooling Water effluent

Dear Mr. Starks:

This letter serves as our written follow-up to our initial phone notification to IDEM on Thursday August 3, 2006, concerning the visible oil sheen on Lake Michigan from our NPDES permitted outfall 002. We became aware of the possible non-compliance on the lake at approximately 6:00 am (CST) on August 3, 2006 when heavy rain hit the area. At this time the US Coast Guard, NRC, IDEM, and LEPC were notified.

Our internal BP emergency response team initially responded to mitigate the oil spill. Our hazmat team deployed booms to the lake and diapers and absorbents directly into our #6 Separator in order to eliminate any further release to the lake. Vacuum trucks were also deployed helping to remove the oil from our separators and sewers. The Haz-Mat team surveyed the surrounding beaches and area and did not detect any presence of oil/hydrocarbons. The sheen on the lake was already dispersing due to the choppy waters.

Early estimates on the volume released to the lake are 1 gallon. Follow up action items from a previous incident investigation are underway and most are completed. Precautions were taken the night before this incident in anticipation of the rain. These precautions helped to prevent a worse situation from happening however; it was still unable to prevent the oil from getting to the lake. Some of these precautions included standby vacuum trucks, water shed mode for the refinery, keeping 6 separator levels high so sewer levels are lower, adequate supply of diapers and oil absorbent boom, and an extra operator on site. It is again suspected that the high levels in the process sewers may have found a breach in a previously sealed cross connection to the once through cooling water.

Faxed

March 17, 2006

MAR 21

8 30 AM '06 PO Box 710

Whiting Business Unit BP Products North America Inc. 2815 Indianapolis Blvd. Whiting, IN 46394

Ce: Don Daily Michael Kuss/AWRD Bob Simmons/KWRD

Mr. Gary Starks Indiana Department of Environmental Management Office of Water Management 100 North Senate Indianapolis, IN 46206-6015

RE: NPDES Permit No. IN 0000108

Exceedance of Daily Maximum Limit for Total Suspended Solids at Outfall 001

Dear Mr. Starks:

This letter serves as our written follow-up to our initial phone notification on March 15, 2006, concerning the exceedance of the daily maximum limit for total suspended solids (TSS) at Outfall 001 on March 13, 2006. We became aware of the possible non-compliance at approximately 3:30 pm (CST) on March 14, 2006 when the initial composite sample analysis was completed. The initial analysis of the composite sample showed an unusually high unexpected TSS value.

In order to verify the initial analytical result, subsequent internal lab analysis and third party analysis were completed on March 15th. When the additional analysis results were averaged with the original lab results it was verified that we had indeed exceeded our daily maximum allowable loading rate of TSS at Outfall 001. The calculated average TSS result is now 43 mg/l, the calculated loading rate is estimated at 5,846 pounds, which is above our NPDES permit limit of 5,694 pounds TSS maximum daily load.

A third party incident investigation is underway as to the cause of this unexpected exceedance. TSS values from the day before the incident and the day after were well within our compliance limits and no unusual problems were noted at our WWTP facility during this time period. No other actions were necessary at this time. Current TSS values are normal and below permitted limits.

If you have any further questions please call Mr. Richard Harris of my staff at 219-473-3321.

Sincerely,

Linda J. Wilson

Environmental Superintendent

Linda Wilson

BP Whiting Refinery

F-955

NH

Faxed

June 16, 2006

MPP48 Compunica

Whiting Business Unix 8P Products North America Inc. 2815 Indianapolis Blvd. PO Box 710 Withing IN 46394

Mr. Gary Starks
Indiana Department of Environmental Management
Office of Water Management
100 North Senate
Indianapolis, IN 46206-6015

RE: NPDES Permit No. IN 0000108

Oil Sheen to Lake Michigan from Outfall 002 Once Through Cooling Water effluent

Dear Mr. Starks:

This letter serves as our written follow-up to our initial phone notification to IDEM on Saturday June 10, 2006, to concerning the visible oil sheen on Lake Michigan from our NPDES permitted outfall 002. We became aware of the possible non-compliance on the lake at approximately 6:15 am (CST) on June 10, 2006 when the operations personnel performed their routine inspections. At this time the US Coast Guard, NRC, IDEM, and LEPC were notified. Heavy rains and winds were present since earlier that morning and it is suspected that the high levels in the process sewers caused a breach in a previously sealed cross connection to the once through cooling water.

Our internal BP emergency response team initially responded to mitigate the oil spill. Due to the rough waters on the lake the Haz-Mat Team deployed booms and diapers directly into our #6 Separator in order to eliminate any further release to the lake. Vacuum trucks were also deployed helping to remove the oil from our separators and sewers. During the incident representatives from the DNR and Coast Guard were on hand to observe the situation/incident. The Haz-Mat team surveyed the surrounding beaches and did not detect any presence of oil/hydrocarbons. The sheen on the lake was already dispersing due to the choppy waters.

Early estimates on the volume released to the lake are ~20 gallons. An incident investigation is underway to determine if this is indeed the cause of this unexpected occurrence.

If you have any further questions please call Ms. Rose Herrera of my staff at 219-473-3393.

Sincerely,

Linda J. Wilson

Environmental Superintendent

(J. Ison Buns

BP Whiting Refinery

Copy: Tim Janowski, DNR

Faxed

March 17, 2006

Mr. Gary Starks
Indiana Department of Environmental Management
Office of Water Management
100 North Senate
Indianapolis, IN 46206-6015

RE: NPDES Permit No. IN 0000108

Exceedance of Daily Maximum Limit for Total Suspended Solids at Outfall 001

Dear Mr. Starks:

This letter serves as our written follow-up to our initial phone notification on March 15, 2006, concerning the exceedance of the daily maximum limit for total suspended solids (TSS) at Outfall 001 on March 13, 2006. We became aware of the possible non-compliance at approximately 3:30 pm (CST) on March 14, 2006 when the initial composite sample analysis was completed. The initial analysis of the composite sample showed an unusually high unexpected TSS value.

In order to verify the initial analytical result, subsequent internal lab analysis and third party analysis were completed on March 15th. When the additional analysis results were averaged with the original lab results it was verified that we had indeed exceeded our daily maximum allowable loading rate of TSS at Outfall 001. The calculated average TSS result is now 43 mg/l, the calculated loading rate is estimated at 5,846 pounds, which is above our NPDES permit limit of 5,694 pounds TSS maximum daily load.

A third party incident investigation is underway as to the cause of this unexpected exceedance. TSS values from the day before the incident and the day after were well within our compliance limits and no unusual problems were noted at our WWTP facility during this time period. No other actions were necessary at this time. Current TSS values are normal and below permitted limits.

If you have any further questions please call Mr. Richard Harris of my staff at 219-322-3321.

Sincerely,

Linda J. Wilson

Environmental Superintendent

Lunda Wilson

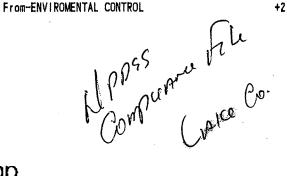
BP Whiting Refinery

UPD98
Companies File
Whiting Business Unit
BP Products North America Inc.
2815 Indianapolis Bivo

PO Box 710 Whiting, IN 46394 BCC: L. J. Wilson

R. A. Harris

File Incidents\2006





Fax Message

BP Products North America Inc. Whiting Business Unit 2815 Indianapolis Blvd. P. O. Box 710 - MC 122 Whiting, IN 46394-0710

Telephone: 219-473-3321 Fax: 219-473-5379 E-mail harrisra@bp.com

Date:

Pages to follow:

Richard A. Harris

Team:

From:

Health, Safety, Security & Environmental

Environmental Engineer

URGENT	ORDINARY [∑ c	CONFIDENTIAL
To: Gary	Starks	Copy to:	
Company:			
Name:			
Fax no: 317 -	232-8637		
Message:			
follow up of	ex to my &	chan me	essage.
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BP Whiting Business Unit ENV ONCALL – Agency Communication Documentation Form Document Level: Document Number:

EF-ONCALL-001.1

Document Revision Date:
Document Revision Date:
Document Revision #

August 11, 2005 August 11, 2005

Documentation of Agency Communication

From-ENVIRONENTAL CONTROL

BP Products North America, Inc. Whiting Business Unit 2815 Indianapolis Blvd. Whiting, IN 46394-0710 Lake County

NRC: 800-424-8802 LEPC: 219-755-3512 HDEM: 219-853-6306 IDEM: 888-233-7745

BP Contact(s)*: Ric	chard .A Harris		· · · · · · · · · · · · · · · · · · ·		
BP Contact phone #(s)*:	219-473-3321	·			
Contact Date': 03-15-	2006				
Agencies contacted:	NRC	ÍDEM	×	LEPC _	
Time of contact:	NRC	IDEM	12:50 pm	LEPC	
•		•	Gary Starks		
			Rebeca	,	
Agency Contact Name:	NRC	IDEM	McMonigle	LEPC _	
Agency Contact Title:	NRC	IDEM	Office of water Quality	LEPC	
Agency Contact Ittle.	MICO	— Abatchau	Maret Madity	_ NAME -	
Incident Number(s)**:	NRC	_ IDEM	Not provided	LEPC _	
Subject: NPDES LII	MIT EXCEDANCE				***
Location of release*:	BP PRODUCTS NOR	TH AMER	ICA inc. outfall (001	
	initial Analytical ava	ilabie 03/1	14/06 2:00 pm for	Sample c	ollected on
Date &Time of Spill*:	3/13/03.				
Substance released*:	TSS / BYPASS OPEN				
Approximate amount of	substance released*:			·	
Approximate amount of	substance recovered*	*t			·
Method of recovery**:			·		
Duration of release*:					
Source of release*:	Waste Water Treatmen	t Plant			
Impacted media (air, so	il, concrete): Wate	er	·		

Name and locations of any damaged waters*;	Lake Michigan
Any Injuries/fatalities: na	
Description of area affected (Square feet or Cubic fe	et)**: na
Name of any response organizations involved:	na
Weather conditions at time of release:	High Winds and Thunderstorms
Wind speed and direction:	
Disposal of Recovered material**:	
Is there a Contingency Plan and was it implemented	**
List preventive measure to eliminate recurrence**:	Investigation underway
Measures taken or to be taken to perform spill respo	
	TSS PERMIT LIMIT IS 5694
	LBS/DAY RESULT WAS
Any other information significant to response action	
I AM FAXING THIS DOCUMENT AS VERIFICA	ITION THAT CONTACT WITH YOUR OFFICE
WAS MADE ON 3/15/06.	

RETURN COMPLETED FORM VIA EMAIL TO ENVIRONMENTAL ON-CALL DISTRIBUTION LIST.

[&]quot;Items required by IDEM per 327 IAC 2-6.1-4(17)
"Items required by IDEM per 327 IAC 2-6.1-7(4)



EM CE OF QUALITY

CERTIFIED MAIL
RETURN RECEIPT REQUESTED? | 35 PM 165

Whiting Business Unit BP Products North America Inc. 2815 Indianapolis Blvd. PO. Box 710 Whiting, IN 46394-0710

> Ce: Bon Daily Michael Kuss/Nureo

September 15, 2005

Don Daily
Section Chief Compliance Evaluation
OWQ Compliance Branch
Indiana Department of Environmental Management
100 North Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015

Re: BP Products, NA Whiting Refinery NPDES Permit No. IN0000108, Notification of Maintenance Activity and bypass of Clarifier

Dear Mr. Daily,

This letter is to inform you that the BP Whiting Refinery Waste Water Treatment Plant (WWTP) will take one of its two clarifiers out of service for maintenance and inspection from approximately October 24 through November 18, 2005. This notice is being given to your department in anticipation of a bypass of treatment facilities as is required by our NPDES permit IN0000108, Section B (2)b.

We have two clarifiers that normally receive equal flow and operate in parallel before final filtration of our effluent to outfall 001. One of these clarifiers (tank 5005) will be taken out of service for internal repairs and maintenance. In order to minimize any negative impacts during this time, BP has taken proactive steps to ensure that permit requirements will be met during this time period by identifying temporary flow reductions within the refinery, enacting our normal water shed plan, optimizing the use of polymer and treatment additives as needed in the one clarifier remaining in service, choosing a month where wet weather and temperatures are minimized, as well as close monitoring of several water treatment plant operating parameters such as DO and sludge volumes.

We will plan to utilize the one clarifier for all or our flow treatment and do not intend to bypass this treatment step. However, there is a 10 million gallon storm surge tank that will be emptied prior to the outage which will be used in case of emergency impoundment of refinery waste water or if there becomes a need to bypass any treatment steps at the WWTP. Your office will be notified if such a need does occur.

Please contact Rose Herrera (219) 473-3393 if you have any questions regarding this notice.

Sincerely,

Linda J. Wilson

Environmental Superintendent

Linda Wilson

I:Environmental\Water\WAT-NPDES\Agency Corr\2005





INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Frank O'Bannon Governor

Lori F. Kaplan Commissioner 100 North Senate Avenue P.O. Box 6015 Indianapolis, Indiana 46206-6015 (317) 232-8603 (800) 451-6027 www.in.gov/idem

February 10, 2003

Karleen James
Environmental Superintendent, HSE
BP Products North America, Inc.
Whiting Business Unit
2815 Indianapolis Blvd.
P.O. Box 710
Whiting, Indiana 46394-0710

Dear Ms. James:

Re: January 27, 2003 Exceedence Report Amoco Whiting Unit NPDES Permit No. IN0000108 Lake Co.

I am in receipt of your report concerning the exceedence of your facility's Total Suspended Solids (TSS) limit. Although the report is timely, I am concerned about the degree of the exceedence. The discharge of 35,420 lbs. vs a limit of 5,694 lbs., was more than six times the allowable limit. I wonder why the increase in oil recoveries and solids loadings wasn't foreseen and more effectively managed. Consequently, I request an explanation of the excess loadings and the problems with holding them until they could be properly treated. Please reply within twenty (20) days from the date of this letter.

If you have any questions, you may call me at (317) 232-8630, or write to me at the above address.

Sincerely,

Greg Glover

Sr. Environmental Mgr.

Compliance Evaluation Section

Office of Water Quality

Complete all parts of this form and fax it to the Office of Water Quality at (317) 232-8637. This report will satisfy the telephone and written noncompliance notification requirements of your NPDES permit.

Facility Name:		City or County:	Per	rmit Number:
BP/Amoro - Whiting	Ref	Lake		IN 0000/08
Individual Reporting:		Phone Number:	1	port Date:
Richard Harris		(219) 473-3321		11/14/02
Noncompliance Date:		Outfall:		
11/13/02				
Parameter:	Limit (Units/Daily/Weekly/Ave/Max/Min):		Reported:
TSS	N.	5694 16s/day		6885 /bs/day
Parameter:	Limit (Units/Daily/Weekly/Ave/Max/Min):		Reported:
·				
Parameter:	Limit (Units/Daily/Weekly/Ave/Max/Min):		Reported:
Actions taken to prevent, minimize, or mitig	ate damag	echecking sampling per)V& (Edux etc.
Actions taken to prevent reoccurrence:				
Signature:				

Complete all parts of this form and fax it to the Office of Water Quality at (317) 232-8637. This report will satisfy the telephone and written noncompliance notification requirements of your NPDES permit.

Facility Name:		City or County:	Per	mit Number:	
BP Amoco-Wh	ilina	inable		770 00	00/08
Individual Reporting:	J	Phone Number:	Rep	oort Date:	
Valalie Grimmer	•	(219) 473-5417	6	2/19/03	
Noncompliance Date:		Outfall:		•	
		001			1
Parameter:	Limit (Jnits/Daily/Weekly/Ave/Max/Min):		Reported: 2/1	9/03
Color		·		Reported: 2/1	oration
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, •					
Parameter:	Limit (Jnits/Daily/Weekly/Ave/Max/Min):		Reported:	
Actions taken to prevent, minimize, or mitiga		Rose Herrara lest rametour per lab tos	fr.		·
Actions taken to prevent reoccurrence:					
Signature:					,

Complete all parts of this form and fax it to the Office of Water Quality at (317) 232-8637. This report will satisfy the telephone and written noncompliance notification requirements of your NPDES permit.

Facility N			Т	
Facility Name:		City or County:		mit Number.
BP/Amaco - Whiting		Lake		IN 000/08
Individual Reporting:		Phone Number:	Re	port Date:
Richard Harris		(219) 473-3321		1/23/03
Noncompliance Date:		Outfall:		
1/22/08				
Parameter:	Limit (Units/Daily/Weekly/Ave/Max/Min):		Reported:
TSS	56	94 lhs/day		35,420 lbs
Parameter:	1	Units/Daily/Weekly/Ave/Max/Min):		Reported:
Parameter:	Limit (Units/Daily/Weekly/Ave/Max/Min):		Reported:
Reason for Noncompliance:	•			
Increase in c) ic	covery water combined co	,/	lower biological activity
due to cold weat	her	cover water combined as	, ['] (treatment facility.
		ý		
Actions taken to prevent, minimize, or mitiga				
House bedue	e ed	+ water from refirery p	vice	es was impounded until
, -				
biological system	Cou	ld recover		
Actions taken to prevent reoccurrence:				
				,
Signature:	-			
				

Complete all parts of this form and fax it to the Office of Water Quality at (317) 232-8637. This report will satisfy the telephone and written noncompliance notification requirements of your NPDES permit.

Facility Name:	City or County:	Permit Number:
Amoco BP-Whit	ing Lake	IN0000108
Individual Reporting:	Phone Number:	Report Date:
Richard Harris	(219) 473-3321	1/24/03
Noncompliance Date:	Outfall:	11000
1/22/03		
Parameter:	Limit (Units/Daily/Weekly/Ave/Max/Min):	Reported:
TSS	5694 lbg/day	7756 lbs/day
Parameter:	Limit (Units/Daily/Weekly/Ave/Max/Min):	Reported:
Parameter:	Limit (Units/Daily/Weekly/Ave/Max/Min):	Reported:
whelmed plant Actions taken to prevent, minimize, or mitiga		crease in oil recovery water over-
rectors taken to prevent recedimence.		
Signature:		

OFFICE OF WATER MANAGEMENT TOEM



CERTIFIED MAIL
RETURN RECEIPT REQUESTED

OEC 4 4 15 PH '02

Whiting Business Unit 2815 Indianapolis Blvd. PO Box 710 Whiting, IN 46394-0710

November 27, 2002

Mr. Greg Glover Indiana Department of Environmental Management Office of Water Management 100 North Senate Indianapolis, IN 46206-6015

RE: NPDES Permit No. IN 0000108

Exceedance of Daily Maximum Limit for Total Suspended Solids at Outfall 001

Dear Mr. Glover:

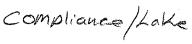
This letter serves as a follow-up to our initial phone notification on November 22, 2002, concerning the exceedance of the daily maximum limit for total suspended solids (TSS) at Outfall 001 on November 20, 2002. We became aware of the non-compliance at approximately 2:30 pm (CST) on November 21, 2002 when the initial composite sample analysis was completed. The initial analysis of the November 20 composite sample was 120 mg/l TSS. The discharge loading from Outfall 001 was calculated at 7,506 pounds of TSS. Our daily maximum allowable TSS is 5,694 pounds. We were back in compliance with the TSS discharge loading the next day.

As a precautionary measure BP continued its water shedding program, reduced the outfall flows, and called for a third party analysis of our findings. An investigation is currently underway to identify the cause of the exceedance.

Sincerely,

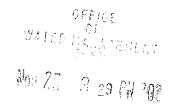
Ms. Karleen James

Environmental Superintendent, HSE





CERTIFIED MAIL RETURN RECEIPT REQUESTED



Whiting Business Unit 2815 Indianapolis Blvd. PO Box 710 Whiting, IN 46394-0710

November 21, 2002

Mr. Greg Glover
Indiana Department of Environmental Management
Office of Water Management
100 North Senate
Indianapolis, IN 46206-6015

RE: NPDES Permit No. IN 0000108

Potential Exceedance of Daily Maximum Limit for Total Suspended Solids at Outfall 001

Dear Mr. Glover:

This letter serves as a follow-up to our initial notification on November 14, 2002, concerning the potential exceedance of the daily maximum limit for total suspended solids (TSS) at Outfall 001 on November 13, 2002. We became aware of the possible non-compliance at approximately 12:35 pm (CST) on November 14, 2002 when the initial composite sample analysis was completed. The initial analysis of the November 13 composite sample was 172 mg/l TSS. The discharge loading from Outfall 001 was calculated at 7,029 pounds of TSS. Our daily maximum allowable TSS is 5,694 pounds.

In order to verify the above initial analytical result, subsequent internal lab analysis and third party analysis were completed. When the additional analysis results were averaged with the original lab result it was found that we did **not** exceed our daily maximum allowable loading rate of TSS at Outfall 001. The additional analysis from the composite sample of 11/13/02 showed the average TSS result to be 121.3 mg/l, the calculated loading rate is now estimated at 4,957 lbs, which is below our NPDES permit limit of 5,694 pounds TSS maximum daily load.

As a precautionary measure, BP began its water shedding plan at approximately 4 pm on November 13, 2002, when the WWTP effluent turbidity sample was reviewed as being higher than normal. As part of the watershed program, the refinery reduced the process wastewater flow rates to the sewers and minimized flows to the WWTP. In addition, the WWTP performed manual backwashes of the final filter systems to maintain low turbidity at the outfall. The watershed program is still in place as of this date and we will continue our watershed program as necessary.

Sincerely,

Karleen James

Environmental Superintendent, HSE

Whiting Business Unit

OFFICE

101815 Indianapolis Blvd. 10180 Box 710 Whiting, IN 46394-0710

BP Amoco Corporation Aug 8

CERTIFIED MAIL RETURN RECEIPT REQUESTED

August 3, 2001

Mr. Greg Glover Indiana Department of Environmental Management Office of Water Management 100 North Senate Indianapolis, IN 46206-6015

Dear Mr. Glover:

NPDES Permit No. IN 0000108 - Exceedance of Daily Maximum Limit for Total Suspended Solids at Outfall 001 July 25 and 26, 2001

This letter serves as a follow-up to our initial notification on July 27, 2001 concerning the exceedance of the daily maximum limit for total suspended solids (TSS) at Outfall 001 on July 25 and 26, 2001. We became aware of the noncompliance at approximately 2 PM (CST) on July 27, 2001, when we received the confirmation of the analytical result for this parameter for the Outfall 001 July 25, 2001 composite sample and the result for the July 26, 2001 composite sample. The TSS discharge loadings from Outfall 001 on July 25 and 26, 2001 were 6,335 pounds and 10,019 pounds, respectively. Our daily maximum allowable TSS loading is 5,694 pounds. The exceedance for this parameter was limited to the two days, July 25 and 26, 2001. The Outfall 001 discharge met all permit limits starting July 27, 2001, as documented by subsequent analytical testing. The TSS on July 27, 2001 was 2,140 pounds. These results will be reported on the refinery's Discharge Monitoring Report for July 2001.

The main cause of the permit excursion of TSS was due to the heavy rainstorms that the refinery encountered from July 22, 2001 through the afternoon of July 23, 2001. There were three separate storm events in which up to 4"of rain fell within this timeframe. Subsequently, the refinery had to process substantially higher than normal flows through its wastewater treatment plant (WWTP). Additionally, there were unexpected higher contaminant loadings to the WWTP from the refinery prior to the storms. The increased hydraulic loading in combination with the increased contaminant loadings put an unexpected stress on the WWTP, which led to the two day TSS excursion.

Every possible effort was made to avoid a permit noncompliance. The refinery implemented its water shedding plan to reduce the water flow to the WWTP from the process units. A refinery wide directive was initiated to minimize any drainings to the sewer. Additionally, the refinery optimized its wastewater treatment operations to minimize the impact on TSS loadings.

The refinery will review the causes of the TSS exceedance and evaluate opportunities to prevent its recurrence. If you have any questions or require additional information, please contact Natalie Grimmer of my staff at (219) 473-5417.

Sincerely,

Stephen D. Simko

Environmental Superintendent, HSE

BP Whiting Business Unit

State Form 47989(R/4-97)		to section.						LAKE	Co,
IDEM	INDIAN	OFFIC	MENT OF ENVI CE OF WATER Facility Ins	MANAC	SEMENT		P.	0 NORTH SENATE O. BOX 6015 DIANAPOLIS, IN 46	
		NPDE9	racility in	specu	on veho	/I L			
NPDES PERMIT #: IN 0000108	YR/MO/E	DAY: 19-19	INSPECTION TYPE:	1	ECTOR:	FACILITY TYPI □1 522 □3 □Municipality 4	□4	- ⊠M ajor □Min ⁄ □Semi-Public □S	or State
OVERALL FACILITY EVA		<u> </u>		COM	PLIANCE ST			Ion-Compliance	
None and London as F	ility Inenestes	4.			ing Waters/POT			mit Effective Date:	
Name and Location of F	acinty inspected	morka I	NC.	1 .	-	AN + IHSC		4-1-90	
2815 INDIAM	APOLIS BI	Lvd		Entry		Exit Time:		mit Expiration Date:	
Town/City: Whiting,		Lake	10.					2-28-9	15
Name(s) of On-Site Repres	entatives: 463	94		Title(s):		Pho	one: (2/9)4;	73-5417
		,		۱ ـ .	· · · · · · · · · · · · · · · · · · ·	andal com	Fax		-3321
Natalie 6r.	mner			1200	/c / OP / N	ental Eng	Pho	one: ()	
Rich Hazzis				ENU	MONME	ental Engl	/ Fax	c () •	-5379
Certified Operator:				Numb	er: 1418			Full Time	•
DAVID OPEN	,			Class		Exp: 6-02		Part Time -lours per week:)
Name, Address of Respon				Title:			Dh	one: (219)47	12-3179
Ashok K. J				Bu.	siness o	unit Lead	Fax		3. ///
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For:

☐ Follow-up☐ NPDES

☐ Enforcement ☐ Other

Section Chief:

State Form 44229(R/4-97) PAGE 7 OF 3 **NPDES Facility Inspection Report IDEM Comments and/or Recommendations** YR/MO/DAY: NPDES PERMIT #: FACILITY: BP Whiting IN 0000108 01-09-1 9 The Self monitoring program was rated manginal due to the Need for from measurement on outfall 001. 3 The SAND Filters were by passed by a portion of The wastenater from or Tily 25 and 26, 2001. The by pass was Not reported to IDEM within 24 hours, or via writter Corespondence within 5 days

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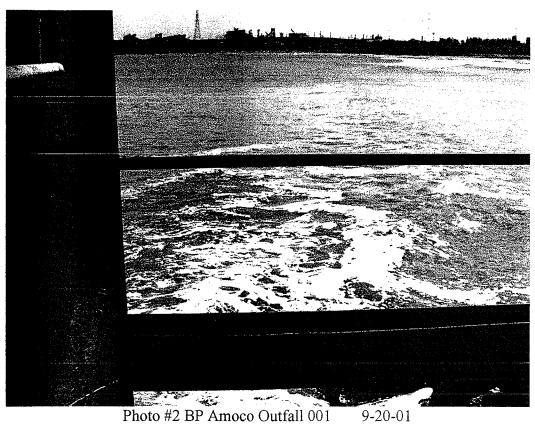
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Photographs BP Refinery, Whiting, Indiana IDEM, Compliance Inspection 9-19-20-01



Photo #1 BP-Amoco Outfall 001 9-20-01



9-20-01



Photo #3 BP Amoco Outfall 002 9-20-01



Photo #\$BP Amoco Outfall 002 9-20-01

NPDES PERMIT LIMIT VIOLATIONS 2000 SUMMARY OF

IN0000108 NPDES PERMIT No. B T FACILITY_

E-mail Address: grimmenr@ Bp. com

2000 LIST OF NPDES PERMIT LIMIT VIOLATIONS

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NPDES PERMIT LIMIT VIOLATIONS SUMMARY 1007

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Report Prepared by Michali

DMx - Daily Maximum DMn - Daily Minimum THE SOUNDINMENTAL SNOP.

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INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live

Frank O'Bannon Governor

Lori F. Kaplan
Commissioner

April 25, 2001

100 North Senate Avenue P.O. Box 6015 Indianapolis, Indiana 46206-6015 (317) 232-8603 (800) 451-6027 www.state.in.us/idem

VIA CERTIFIED MAIL 7000 0520 002350502263

Mr. Stephen Simko BP Amoco Oil Health, Safety, & Environmental Division 2815 Indianapolis Blvd Whiting, IN 46394-0710

Dear Mr. Simko:

Re: NPDES Permit No. IN0000108

BP Amoco Oil Whiting, Indiana

The Indiana Department of Environmental Management needs the following information to update the NPDES permit renewal application for BP Amoco Oil and complete the mixing zone application submitted by BP Amoco Oil:

- 1. Please complete the enclosed EPA Form 2C. Note that analytical Method 1631 is to be used for mercury analysis. In addition, include analytical analysis for the concentration of chloride, total dissolved solids, vanadium, and free cyanide in the effluent discharge. BP Amoco Oil may want to include more that one data point for parameters that exhibit reasonable potential to exceed water quality standards in accordance with 327 IAC 5-2-11.5.
- 2. Please provide an estimated time line for the construction of the effluent diffuser.
- 3. Due to the age of the acute and chronic whole effluent toxicity test results, IDEM is requesting that BP Amoco submit updated acute and chronic whole effluent toxicity test results. Please provide three (3) consecutive months of test results for acute and chronic whole effluent toxicity tests using fathead minnow, ceriodaphnia, and algae.

RECEIVED

APR 3 0 2001

WHITING ENVIRONMENTAL DEPT.

- 4. Please provide test results for ambient water toxicity testing. Conduct acute and chronic ambient water aquatic toxicity tests using fathead minnow, ceriodaphnia, algae and representative cold water sensitive species (i.e. *Salmo*, brook trout, etc.) and water collected from the following areas in Lake Michigan:
 - mixing zone
 - outside of the mixing zone
 - near drinking water intake points
 - pristine lake water as control
- 5. Please provide test results for the following genotoxic/mutagenic tests:

Bacterial Tests

- Ames Test
- SOS Chromosome Test (Escherichia)

Mammalian System Tests

- Chinese Hamster Ovary Cells (CHO) Assay
- Rat Hepatocyte Sister Chromatid Exchange (SCE) Assay

Medaka Tumor Assay

- Larval Fish Assay at No-Lethal Concentration (Perform Histopathology/Determine Tumor Frequency)
- 6. Please provide test results from In-Vitro Assays for systemic effects to determine if chemicals in the whole effluent have any adverse reactions such as:
 - suppression of immune system
 - specific organ toxicity
 - neurotoxicity and adverse reactions affecting development/reproduction
- 7. Please provide test results from biosurvey studies for aquatic life and determine any adverse impact on aquatic fauna. Compare BP Amoco discharge shore line area with Lake Michigan shore line area absent of nearby human impacts.
- 8. Please provide test results from bioaccumulation studies. Perform bioaccumulation studies of suspected toxic pollutants in BP Amoco's whole effluent on laboratory organisms and organisms collected in the BP Amoco discharge shore line area and Lake Michigan shore line area absent of nearby human impacts.

9. Please provide test results from sediment analysis studies. Perform sediment analysis studies collected from BP Amoco discharge shore line area and Lake Michigan pristine shore line area. Analyze sediments for suspected inorganic and organic pollutants.

Also, it should be noted that in accordance with 327 IAC 5-2-11.4(a)(9)(B) the highest monthly average flow from the previous two (2) years of monitoring shall be used to develop a wasteload allocation for BP Amoco. Pursuant to 327 IAC 5-2-11.6(g)(2), the effluent flow used to establish concentration-based water quality based effluent limitations will also be used to calculate mass loading rates.

If you have any questions regarding this letter please contact Christina Lowry at (317) 232-8707.

Sincerely,

Steven K. Roush

Section Chief

Industrial NPDES Permits Section

Office of Water Quality

CTL/ctl

cc:

Ms. Natalie Grimmer, BP Amoco

Mr. Fred Andes, Barnes and Thornburg

Ms. Robin Garibay, The Advent Group Inc.

bp

Whiting Business Unit



BP Amoco Corporation 2815 Indianapolis Blvd PO Box 710 Whiting, IN 46394-0710

CERTIFIED MAIL - 7099 3400 0017 0185 1052 RETURN RECEIPT REQUESTED

August 22, 2001

Mr. Steve Roush
Section Chief
Industrial NPDES Permits Section
Office of Water Quality
Indiana Department of Environmental Management
100 North Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015

BP Amoco Whiting NPDES Permit Renewal Response to IDEM April 25, 2001 Letter and Summary of June 5, 2001 Meeting

BP Amoco appreciated the opportunity to meet with you and other IDEM staff on June 5, 2001 to discuss the refinery's NPDES permit renewal. Per discussions at the meeting and further review. BP Amoco submits the following responses to the April 25, 2001 IDEM letter regarding the information requested to update the refinery's NPDES permit renewal application. The response numbers correspond to those presented in the letter. Following the responses is a discussion of additional items discussed at our meeting on June 5, 2001.

- 1. BP Amoco will update Volume I of the 1994 Permit Renewal Application (PRA), which will include a resubmission of the IDEM General Form 1 with the list of potentially affected persons, an updated EPA Form 2C for Outfalls 001 and 002 and a submission of Form 2F for Outfalls 003 and 004. DMR data will be summarized for the past two years (Nov 99 -Nov 01). BP Amoco will use an effluent database beginning March 1998 for the reporting of beryllium and vanadium. New Form 2C and 2F analytical data will be collected in the 3rd and 4th quarter of 2001 and will also include chloride, total dissolved solids, vanadium, and free cyanide. Dissolved metals data will be reported as dictated by the results of RPE analyses. Recent regulatory changes will effect other information requirements and will cause additional revisions to Volume I of the 1994 PRA. Two new analytical methods will be incorporated into the Form 2C update: Method 1631 for mercury and Method 1664 for Oil and Grease. Background metals concentrations will be provided as well as receiving water hardness. Recent TRI database will guide the description of discharged constituents not covered by analyses. The level of detail for the WWTP description will be adjusted per new regulatory requirements as well as the necessary information for water treatment additives. The revised Volume I PRA will be submitted to IDEM by February 28, 2002.
- 2. BP Amoco will provide IDEM with an estimated timeline for the construction of the effluent diffuser as part of a partial update to Volume II (1994) and IIR (1997) of the PRA. Also included in this update will be additional CORMIX dispersion modeling using version 4 1GT with original and updated effluent flows. Results from CORMIX v4.1GT will be compared to the original modeling using CORMIX v3.2 and the mixing zone delineation will be modified accordingly. Finally, the revision to Volume II/IIR will include recent long-term

bioassessment data (from 1998 to current) to update Attachment 6 of Volume IIR. No further revisions to the mixing zone demonstration are planned. The revised Volume II/IIR PRA will be submitted to IDEM by February 28, 2002.

- 3. Per IDEM's request, BP Amoco will submit updated acute and chronic whole effluent toxicity test results for three months using fathead minnow, *Ceriodaphnia dubia*, and *Selenastrum capricornutum*. Also, acute WET results for a coldwater sensitive species (i.e., rainbow trout) using USEPA methods will be provided. Tests will be initiated by August 2001 and continue through September and then in November 2001. The refinery has a major crude unit shutdown scheduled in October 2001; thus, no testing will be done during that timeframe. These results will be incorporated into the Volume I PRA submission.
- 4. Per the June 5, 2001 meeting between IDEM and BP Amoco personnel, IDEM agrees that the need for additional data collection is not necessary. BP Amoco will conduct acute WET tests for a coldwater sensitive species using USEPA test methods. BP Amoco directs IDEM to the results of in-lake bioassay tests using Selenastrum capricornutum and Scenedesmus quadricauda summarized in Volume II pages A5-3-20 to A5-3-25.
- 5. Per the June 5, 2001 meeting between IDEM and BP Amoco personnel, IDEM agrees that the need for additional data collection is not necessary. BP Amoco will reference existing information as appropriate such as the use of USEPA (40 CFR 136) methods that achieve low detection levels to analyze the treated effluent, the absence of BCCs in the treated effluent, water quality criteria implement procedures that consider additivity, and the RPE process as applied to Tier I human health criteria and Tier II human health values.
- 6. Per the June 5, 2001 meeting between IDEM and BP Amoco personnel, IDEM agrees that the need for additional data collection is not necessary. BP Amoco will reference existing information as appropriate such as the use of USEPA (40 CFR 136) methods that achieve low detection levels to analyze the treated effluent, the absence of BCCs in the treated effluent, water quality criteria implement procedures that consider additivity, and the RPE process as applied to Tier I human health criteria and Tier II human health.
- 7. Per the June 5, 2001 meeting between IDEM and BP Amoco personnel, IDEM agrees that the need for additional data collection is not necessary. BP Amoco will reference existing information as appropriate, which includes Volume II Attachment 5 (1994 biosurvey data). Volume IIR Attachment 6 (1995 to 1997 biosurvey data) and the biological summary and references and bibliography for the southern nearshore area of Lake Michigan provided in Volume II/IIR. BP Amoco will submit, as a supplement to Volume II/IIR, the 1998 to 2000 biosurvey data.
- 8. Per the June 5, 2001 meeting between IDEM and BP Amoco personnel, IDEM agrees that the need for additional data collection is not necessary. BP Amoco will reference existing information as appropriate such as the use of USEPA (40 CFR 136) methods that achieve low detection levels to analyze the treated effluent, the absence of BCCs in the treated effluent, water quality criteria implement procedures that consider additivity, and the RPE process as applied to Tier I human health criteria and Tier II human health.

9. Per the June 5, 2001 meeting between IDEM and BP Amoco personnel, IDEM agrees that the need for additional data collection is not necessary. BP Amoco provides as an attachment to this letter a summary of the sediment characteristics in the area of the proposed diffuser location. These data are found in Volume II, IIR, and the to- be-updated Volume II/IIR. BP Amoco believes that the sediments in this area of Lake Michigan have very little metal binding capacity or organic adsorption capacity due to the dominance of sand (80 percent), the low TOC levels, and the consistent disturbance of the surface sediments.

Additional Items Discussed at June 5, 2001 Meeting:

A discussion was held regarding any other issues that would impact BP Amoco's permit renewal application. IDEM stated that they had no other issues other than the ones identified in their letter dated April 25, 2001.

BP Amoco discussed the refinery's future plans, including potentially building additional process units (which would manufacture chemical feedstocks) and a second Cogeneration facility. BP Amoco expressed a desire to be able to incorporate these types of projects into the refinery's permit renewal. When found viable, the refinery would like to move forward with its project plans as part of the renewed permit. Ideas such as a tiered permit approach were discussed. IDEM suggested that BP Amoco provide them with as much information about these projects as possible during the permit renewal process.

If you have any questions regarding our responses, please contact Natalie Grimmer at (219) 473-5417.

Sincerely,

Stephen D. Simko

Environmental Superintendent, HSE

Attachments

Notes on Lake Michigan sediment Total Organic Carbon (TOC) analyses

Three methods have been used to assess TOC in sediment collected from the C3501 and S3500 Lake Michigan sample locations. Methods include a modified surfaced water protocol (Method 9060 Modified) that analyzed leachate from the sediment material and results are expressed in mg carbon per kg sample (mg/kg). Two protocols were based on combustion of sediment material. ASTM Method D4129 which determines total carbon and inorganic carbon constituents directly then total organic carbon is determined by difference and expressed as mg/kg. Method ASA 9.29-2.2.4 determines total organic carbon directly and results are reported as percent carbon of total sample (%). Analytical results for sediments collected from the study sites are presented in Table A.

TOC values determined by Method 9060 Modified ranged from 1,700 to 11,000 mg/kg. When expressed as a percent, these results showed a range of 0.2-1.1% TOC.

TOC values determine by ASTM Method D4129 ranged from 480 to 32,000 mg/kg. When expressed as a percent these results show a range of 0.48-3.2% TOC.

TOC values determined by ASA 9.29-2.2.4 indicated less than 1 percent (0.36-0.47%) organic carbon for all sediment analyzed.

Confidence in the results from Method 9060 Modified were low because the method was originally a surface water protocol and a leachate was used for analysis rather than the sediment material itself. Ultimately, the results from Method 9060 are within the TOC concentrations determined from ASTM Method D4129 and ASA 9.29-2.2.4 for other samples collected from the study locations.

The ASTM Method D4129 and ASA 9.29-2.2.4 show a similar range in concentration for results expressed as percent TOC. With the exception of one sample from C3501 of 3.2% TOC (32,000 mg/kg) the sediment material from C3501 and S3500 exhibit TOC values less than 1%.

Sediment composition (dominance of sand), amount of carbon present, and mass of material used for the analyses can contributes to less precision and accuracy for ASTM Method D4129. Method D4129 uses 0.1 gram of material for analyses compared to 1.0 gram of material for ASA 9.29-2.2.4. In addition, analyses for samples with low carbon content that also contain large grain size (e.g. sand) perform poorly with Method D4129 because of low sample volume. Sediment composition for the study sites is 80 percent sand, 17 percent silt, and 3 percent clay (see Table 2). Results from Method ASA 9,29-2.2.4 are believed to be more accurate for the matrix tested due to the larger sample size analyzed. This view is supported by the analytical laboratory performing the analyses.

Results indicate that TOC content for the sand dominated sediment material at the S3500 and C3501 Lake Michigan study sites is generally less than 1 percent. This low level of TOC is consistent with other Lake Michigan TOC results¹

¹ Leonard, EN, GT Ankley, RA Hoke. "Evaluation of Metals in Marine and Freshwater Surficial Sediments from the Environmental Monitoring and Assessment Program Relative to Proposed Sediment Quality Criteria for Metals". *Environ. Toxicol. Chem: 15:2221-2231.* 1996.

TABLE 1. NEARSHORE LAKE MICHIGAN SEDIMENT RESULTS BP AMOCO WHITING

DATE	SITE		T0C	UNITS	METHODS	% SOLIDS	METHODS
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8/12/1999 8/12/1999 8/12/1999 8/12/1999	C3501 S3500	Rep 1 Rep 1 Rep 1a Rep 3	32000 3.2 0.41 0.47	mg/kg % % mg/kg	ASTM-D 4129-88 calculated ASA No. 9 29-2.2.4 combustion/IR ASA No. 9 29-2.2.4 combustion/IR ASTM-D 4129-88	71.3 75.4 74.7 78.8	CLPSOW390, Part F, D-98 CLPSOW390, Part F, D-98 CLPSOW390, Part F, D-98 CLPSOW390, Part F, D-98
8/12/1999		Rep 1 Rep 2	0.05) ,%%	calculated ASA No. 9 29-2.2.4 combustion/IR	62	CLPSOW390, Part F, D-98
8/12/2000 8/12/2000 8/12/2000	C3501	Rep 1 Rep 2 Rep 3	0.38 0.29 0.25	%%%	ASA No. 9 29-2.2.4 combustion/IR ASA No. 9 29-2.2.4 combustion/IR ASA No. 9 29-2.2.4 combustion/IR	72.2 74.8 74.2	CLPSOW390, Part F, D-98 CLPSOW390, Part F, D-98 CLPSOW390, Part F, D-98
8/12/2000 8/12/2000 8/12/2000	S3500	Rep 1 Rep 2 Rep 3	0.25 0.44 0.22	%%%	ASA No. 9 29-2.2.4 combustion/IR ASA No. 9 29-2.2.4 combustion/IR ASA No. 9 29-2.2.4 combustion/IR	80.7 72.7 80.7	CLPSOW390, Part F, D-98 CLPSOW390, Part F, D-98 CLPSOW390, Part F, D-98

a Sample C3501 Rep. 1 re-analyzed September 30, 1998. b Values shows are %TOC and not %Solids.

bp

Whiting Business Unit



BP Amoco Corporation 2815 Indianapolis Blvd. PO Box 710 Whiting, IN 46394-0710

July 6, 2001

MANAGEMENT APPROVAL OF SPCC PLAN

Our attached, updated Spill Prevention Control and Countermeasure Plan meets with my approval and has my support. It will be implemented as necessary for the Whiting Business Unit.

Ashok Jhawar

Ashor K. The

Leader

Whiting Business Unit

Jackie Getzelman

Facility Manager

Whiting C Station Terminal

STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276 (21 State Form LPC 62 8/81 IL532-0610

.-6761

FOR SHIPMENT OF HAZARDOUS
AND SPECIAL WASTE

PLEASE TYPE for use on elite (12 pitch) typewriter.) EPA Form 8700-22 (Rev. 6-89) (Form desid Form Approved. OMB No. 2050-0039 **UNIFORM HAZARDOUS** 1. Generator's US EPA ID No. Manifest Information in the shaded areas is not required by Federal law, but is required by **WASTÈ MANIFEST** 99341 IND000810861 3. Generator's Name and Mailing Address Location If Different A. Illinois Manifest Document Number Amoco Oil Co.-Lakefront WWTP N.E. of 119th & Front Streets 8 2815 Indianapolis Blvd. 46394 Whiting, IN B. Generator's IL Whiting IN 46394 (Return to: 4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS (219) MANIFEST-122) 473-3361** ID Number 19111310181910101211 (219 C. Transporter's 5. Transporter 1 Company Name US EPA ID Number **ID Number** D. Transporter's Phone (21) 473-2956 Chemical Disposal Services, Inc. ILR000066662 7. Transporter 2 Company Name US EPA ID Number E. Transporter's **ID Number** 9. Designated Facility Name and Site Address 10. US EPA ID Number F. Transporter's Phone (Peoria Disposal Company G. Facility's IL ID Number 4349 Southport Road 11 14 13 18 11 12 10 10 10 13 H. Facility's Phone (309) Peoria, IL 61615 ILD000305312 676-4893 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers 14. Unit Total Waste No. Nο Quantity Wt/Vo G **EPA HW Number** RQ, Hazardous Waste, Solid, N.O.S., 9, NA3077, III *F () 3 (F037, F038, K048, K049, K050, K051, D010) D Т **ОООО//**В E b. R FPA HW Number O EPA HW Numbe d. J. Additional Description for Materials Listed Above K. Handling Codes for Wastes Listed Above In Item #14 Ia. Profile #15049; Incinerator Wet Scrubber Solids *F037,F038,K048,K049,K050,K051,D010 Y Permit No. 932361-15049 15. Special Handling Instructions and Additional Information **24-hour emergency response telephone number: (219) 473-3361 (Gate 36); ask to contact "on-call environmental support." See attached NA emergency response guide #171. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Date Month Day Year Printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day ORTER 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day Year waste poes not conform to permit characteristics, contacted 19. Discrepancy Indication Space sent to Stabilization for solidification. SAH 9-4-01 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in ijem 19. Printed/Typed Name Signature Month Day Year 090401



CERTIFICATE OF DISPOSAL

FACILITY NAME	:
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Peoria Disposal Company # 1

ADDRESS:

4349 Southport Road

Peoria, Illinois 61615 (309) 676-4893

USEPA/ IEPA ID:

ILD000805812/ 1438120003

GENERATOR:

Amoco Oil Company

Whiting, Indiana

Peoria Disposal Company hereby certifies th	e receipt of waste material from Amoco Oil
Co. described on Illinois Hazardous Waste N	Manifest Number 870490
received on This	material was disposed in compliance with
State of Illinois and Federal Regulations.	Method of Disposal is landfill in a RCRA
Subtitle C Facility.	

By: Dara of Kender

Date: <u>09.07.01</u>

Mail To:

Amoco Oil Company 2815 Indianapolis Blvd.

Whiting, IN 46393

Permit # <u>932361</u>

Peoria Disposal Company Land Disposal Restriction Notification & Certification Form

	5#: 15049
EPA Hazardous Waste #(s): F037, F038, K048, K049, K050, K051, Manife	ost #: <u>IL870/4</u> 90
This waste is a: (check one): Wastewater	•
X Nonwastewater	
Management Codes:	,
Each Waste # listed below will be identified with a reference code representing management. The Management Codes and corresponding certification statements, i	the appropriate method of fapplicable, are as follows:
A Restricted Waste Requires Treatment: This waste must be treated to the applicable treatment standards set Subpart D, 268.32 or RCRA Section 3004(d).	forth in 40 CFR Part 268,
Restricted Waste Can Be Land Disposed Without Further Treatment I certify under penalty of law that I personally have examined and am fam analysis and testing or through knowledge of the waste to support this complies with the treatment standards specified in 40 CFR 268, Subjinformation I submitted is true, accurate, and complete. I am aware that the for submitting a false certification, including the possibility of a fine and improve the standard of the possibility of a fine and improve the standard of the possibility of a fine and improve the standard of the possibility of a fine and improve the standard of the possibility of a fine and improve the standard of	iliar with the waste through certification that the waste last D. I believe that the
Restricted Waste Treated to Performance Standards: I certify under penalty of law that I have personally examined and am technology and operation of the treatment process used to support this inquiry of those individuals immediately responsible for obtaining this infetreatment process has been operated and maintained properly so as to standards specified in 40 CFR Part 268 without impermissible dilution of aware there are significant penalties for submitting a false certification, incland imprisonment.	certification. Based on my ormation, I believe that the comply with the treatment the prohibited waste. I am
D Waste Which is Subject to an Exemption from the Land Disposal Restriction to a Case-by-Case Extension under 268.5, an Exemption under 268.6, or a under Sub-Part C of 40 CFR Part 268: I certify that this waste is not pro	National Canadia Variance
Date the waste is subject to the prohibition:	
E This hazardous debris is subject to the alternative treatment standards of 4	O CFR 268.45.
Hazardous Subcategory, if applicable	
Hazardous Subcategory, if applicable Waste #	Management Code(s)
Hazardous Waste # Subcategory, if applicable	Management
Hazardous Waste # F037 F038	Management Code(s) B B
Hazardous Waste # F037 F038 K048	Management Code(s) B B B
Hazardous Waste # F037 F038 K048 K049	Management Code(s) B B B B B
Hazardous Waste # F037 F038 K048 K049 K050	Management Code(s) B B B B B B
Hazardous Waste # F037 F038 K048 K049 K050	Management Code(s) B B B B B B B
Hazardous Waste # F037 F038 K048 K049 K050 K051 D010	Management Code(s) B B B B B B B
Hazardous Waste # F037 F038 K048 K049 K050 Date of characterization analysis: 7/30/99 (attach most recent copy with the liberal points) and all associated doctaccurate to the best of my knowledge.	Management Code(s) B B B B B B F B B Code(s)
Hazardous Waste # F037 F038 K048 K049 K050 Date of characterization analysis: 7/30/99 (attach most recent copy with the liberal points) and all associated doctaccurate to the best of my knowledge.	Management Code(s) B B B B B B B B F B B B B B B B B B B



Amoco Petroleum Products Whiting Refinery

EMERGENCY RESPONSE GUIDE 171

RQ, Hazardous Waste Solid N.O.S., 9, NA3077, III, (F037, F038, K048, K049, K050, K051)

POTENTIAL HAZARDS

FIRE OR EXPLOSION

- Some may burn but none ignite readily.
- Some may polymerize (P) explosively when heated or involved in a fire.
- Containers may explode when heated.
- Some may be transported hot.

HEALTH

- Inhalation of material may be harmful.
- Contact may cause burns to skin and eyes.
- Inhalation of Asbestos dust may have a damaging effect on the lungs.
- Fire may produce irritating, corrosive and/or toxic gases.
- Runoff from fire control may cause pollution.

PUBLIC SAFETY

- CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, call CHEMTREC at 1-800-424-9300.
- Isolate spill or leak area immediately for at least 10 to 25 meters (30 to 80 feet) in all directions.
- Keep unauthorized prisonnel away.
- Stay upwind.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.

EVACUATION

Fire

• If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions

EMERGENCY RESPONSE

FIRE

Small Fires

Dry chemical, CO₂, water spray or regular foam.

Large Fires

- Water spray, fog or regular foam.
- Move containers from fire area if you can do it without risk.
- Do not scatter spilled material with high pressure water streams.
- Dike fire-control water for later disposal.

Fire Involving Tanks

- Cool containers with flooding quantities of water until well after fire is out.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank
- ALWAYS stay away from the ends of tanks.



ERA Study: DMRQA 20

Permitee Name:

BP AMOCO OIL

NPDES Permit Number: IN0000108

Report Prepared by: Environmental Resource Associates Arvada, Colorado

November 27, 2000



